

FIG. 1A

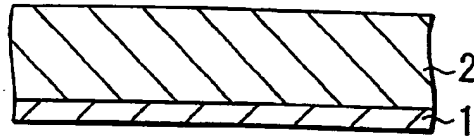


FIG. 1B

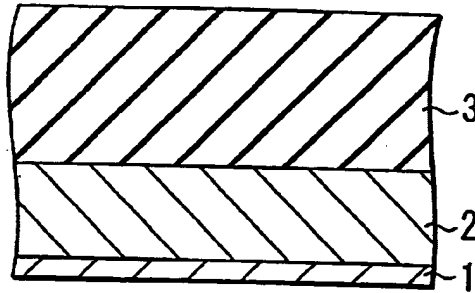


FIG. 1C

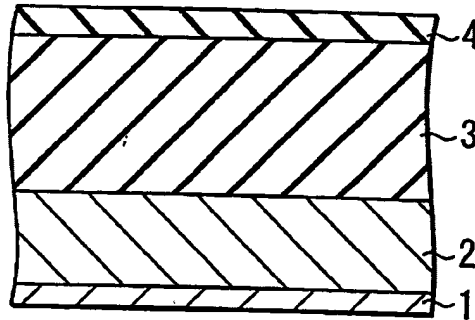


FIG. 1D

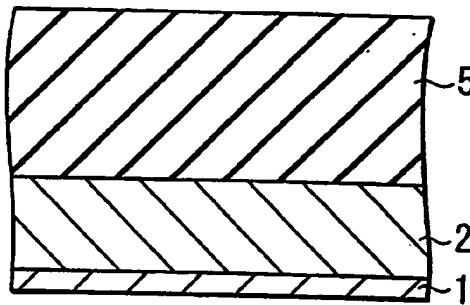
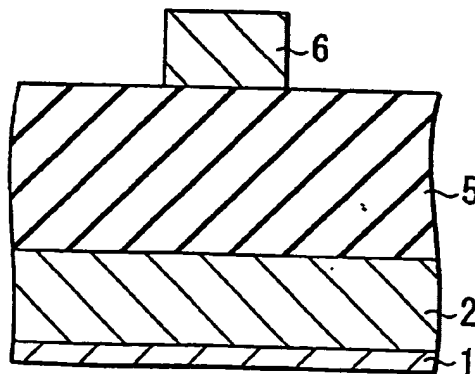
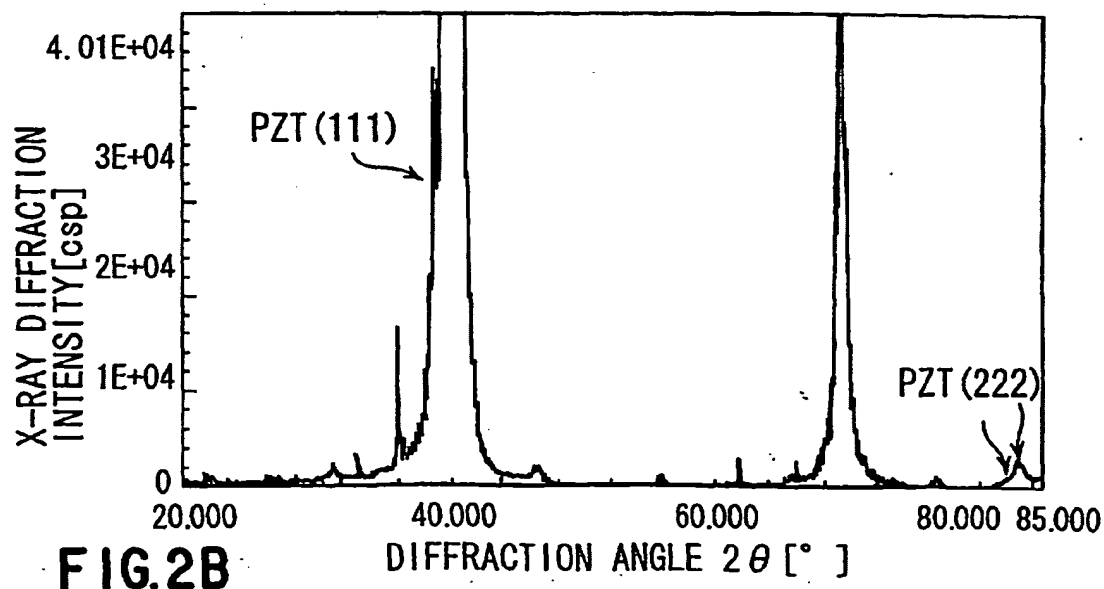
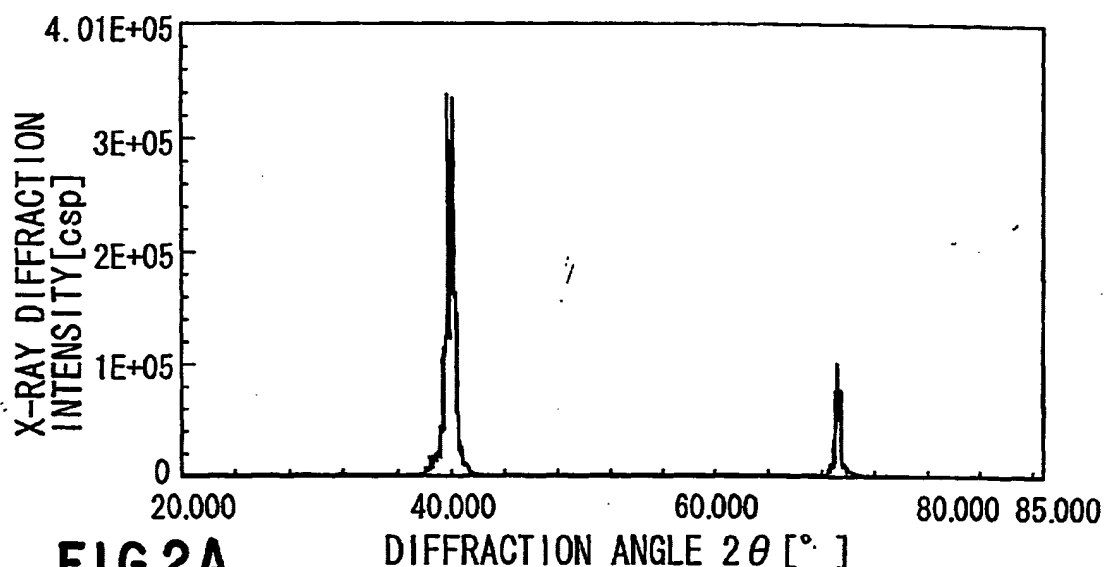


FIG. 1E

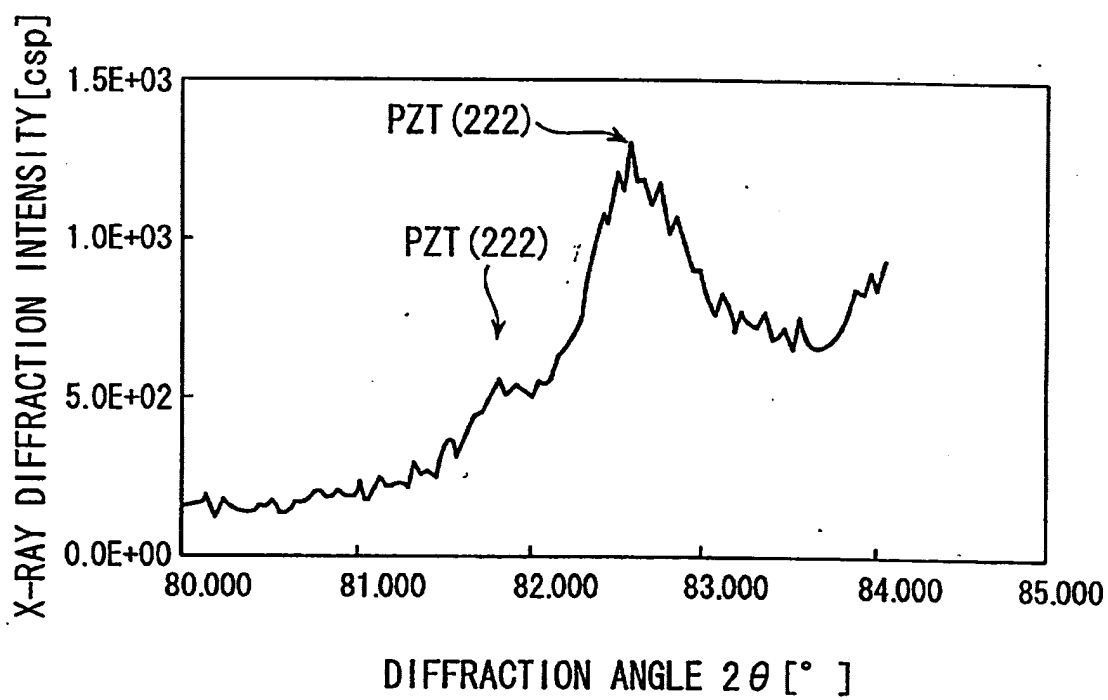


TUBULAR BULB: Cu  
(WAVELENGTH: 1.54056 Å)  
TUBULAR BULB VOLTAGE: 44KV  
TUBULAR BULB CURRENT: 250mA  
GONIOMETER: WIDE-ANGLE  
GONIOMETER  
STEP WIDTH: 0.040°  
TIME FOR MEASUREMENT: 0.50sec  
SCANNING AXIS:  $2\theta / \theta$

DIVERGENCE SLIT:  $1/2^\circ$   
DIFFRACTION SLIT:  $1/2^\circ$   
LIGHT RECEIVING SLIT: 0.15mm  
LIGHT RECEIVING SLIT OF  
MONOCHROMATOR:  
LIGHT RECEIVING SLIT: 0.45mm  
 $\theta$  OFFSET ANGLE:  $0.000^\circ$

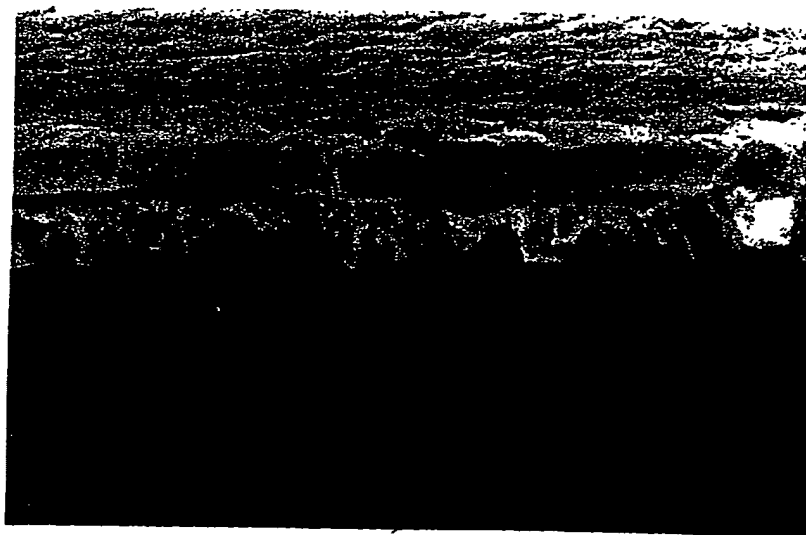


004120" 95727950



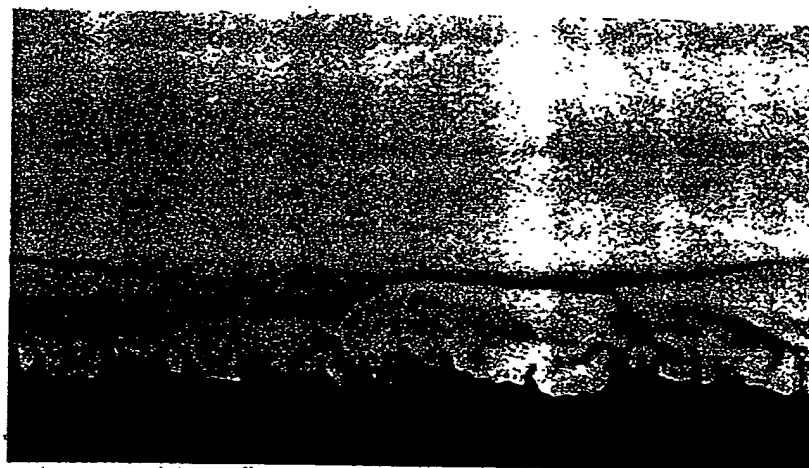
**FIG.2C**

004T20" 8ETZT960



500nm

FIG. 3A



500nm

FIG. 3B

FIG. 4

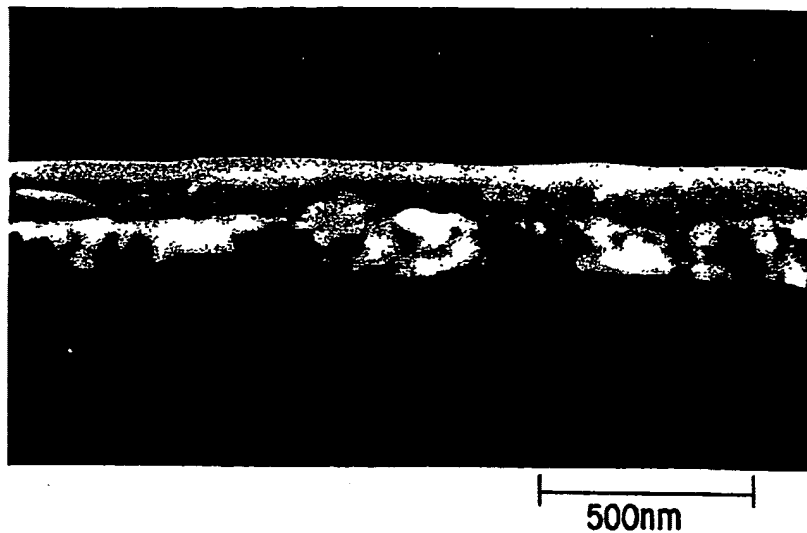


FIG. 6A

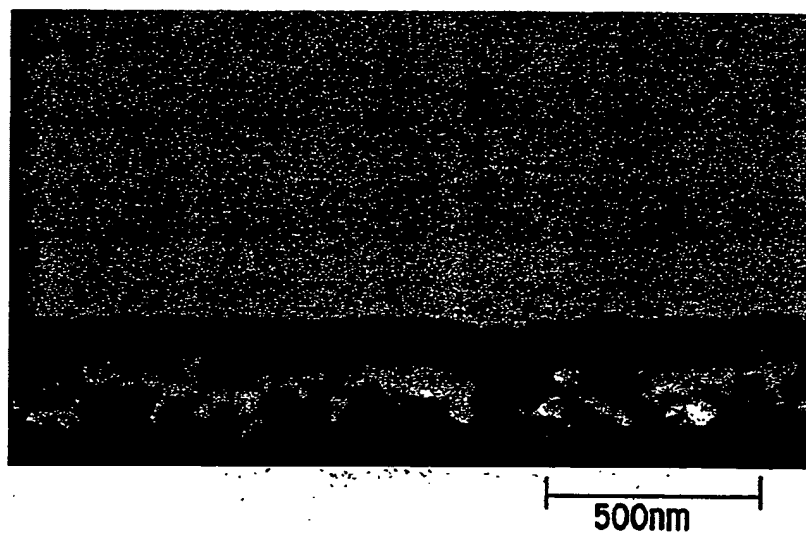
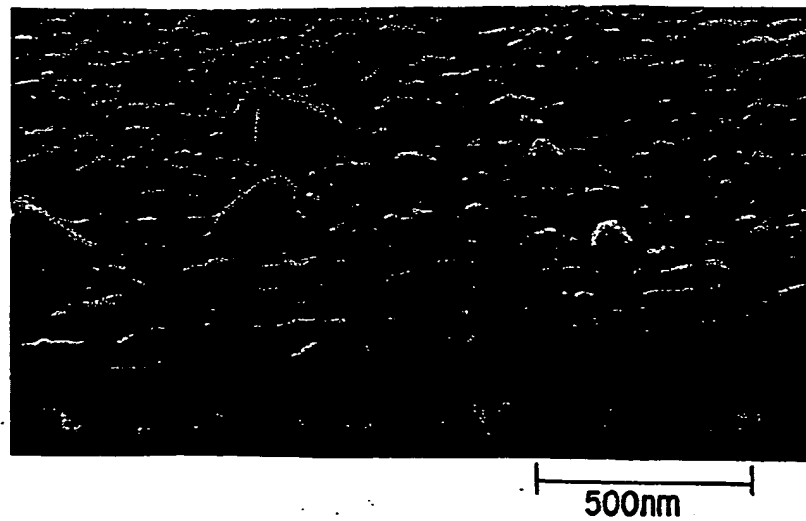


FIG. 6B



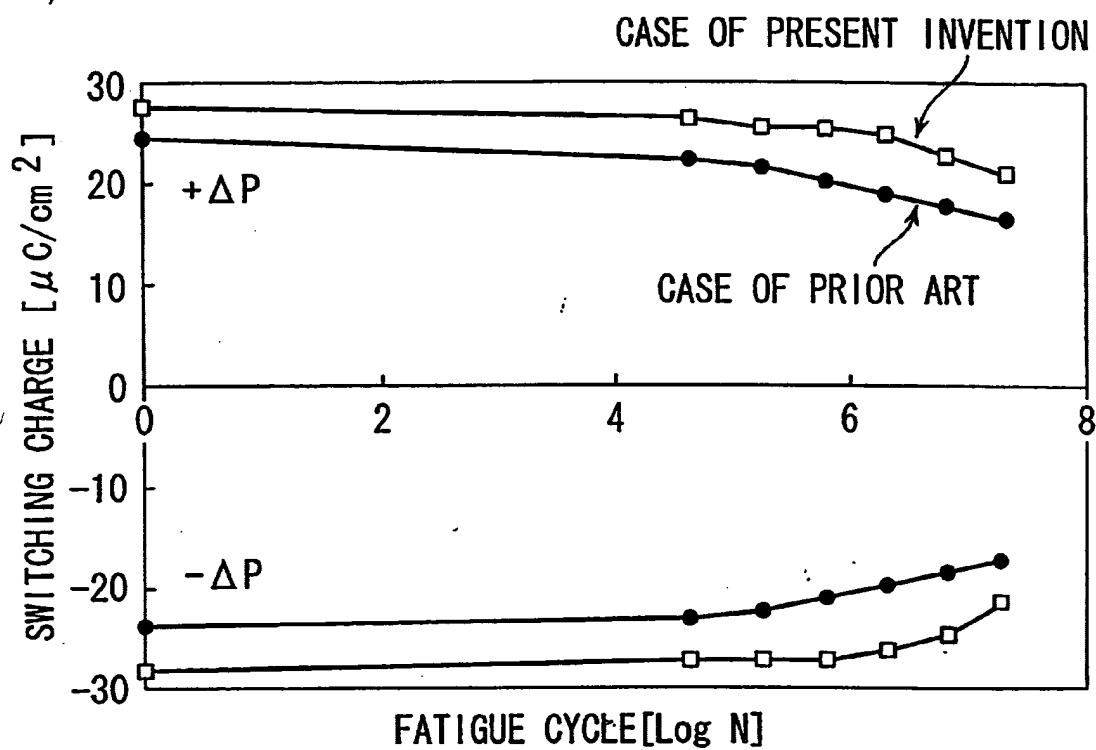


FIG. 5

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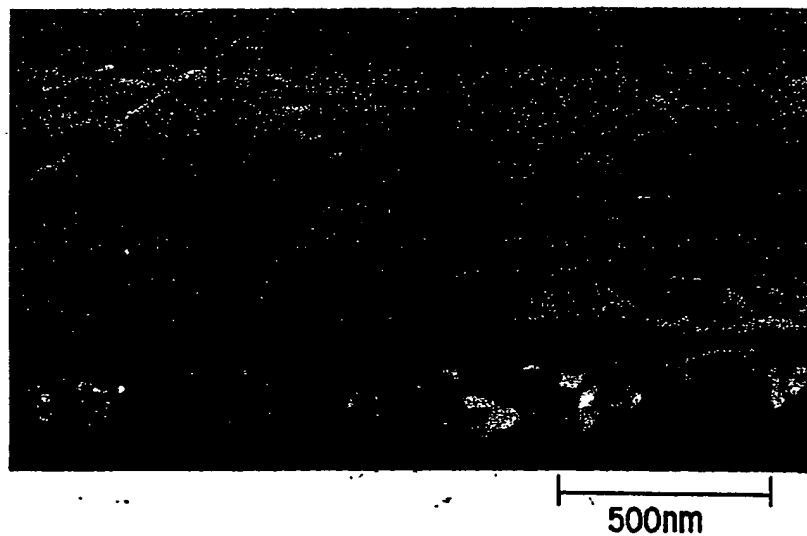


FIG. 7A

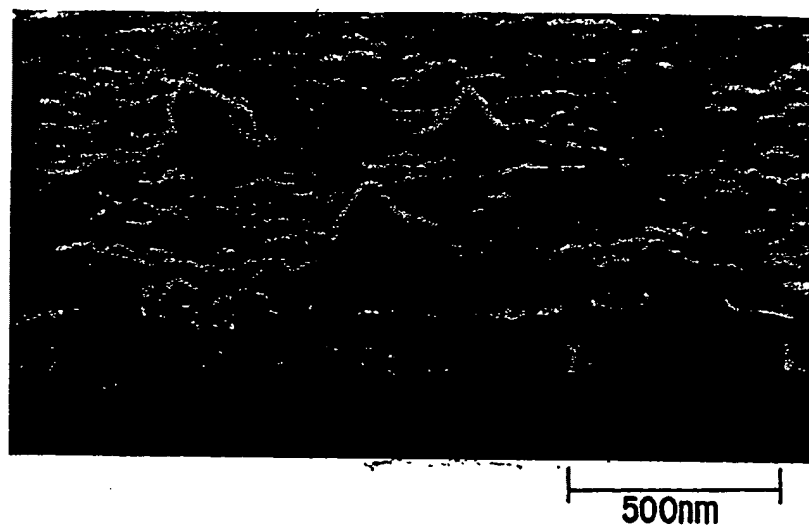


FIG. 7B

FIG. 8A

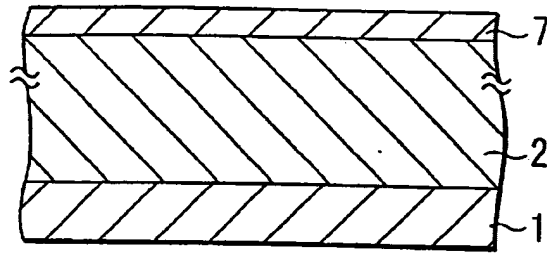


FIG. 8B

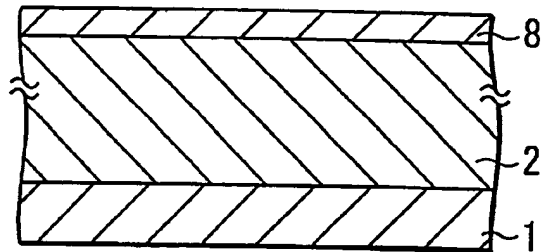


FIG. 8C

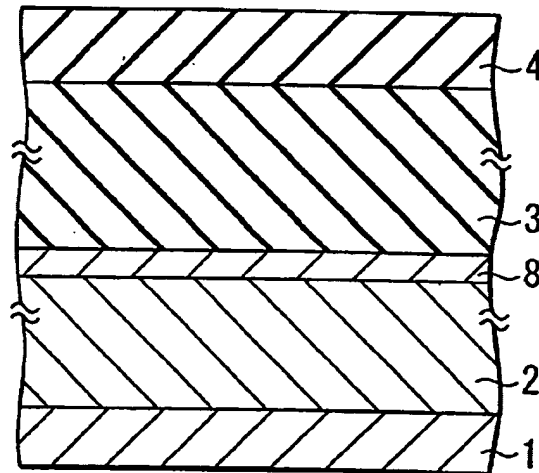
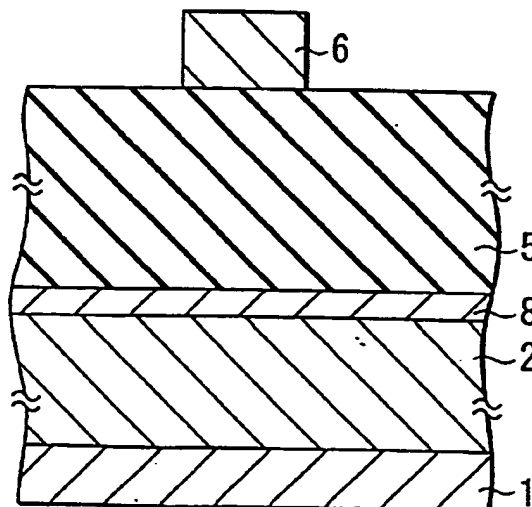


FIG. 8D





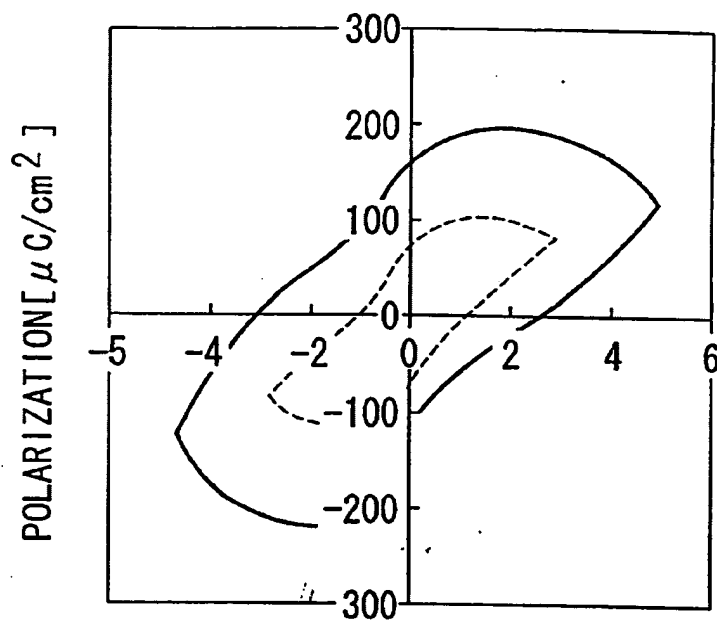


FIG. 9A

APPLIED VOLTAGE [V]

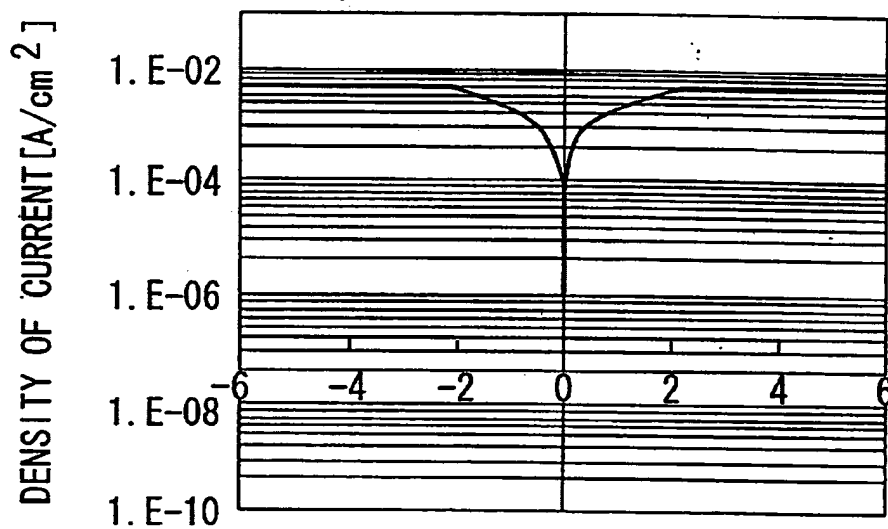


FIG. 9B

APPLIED VOLTAGE [V]

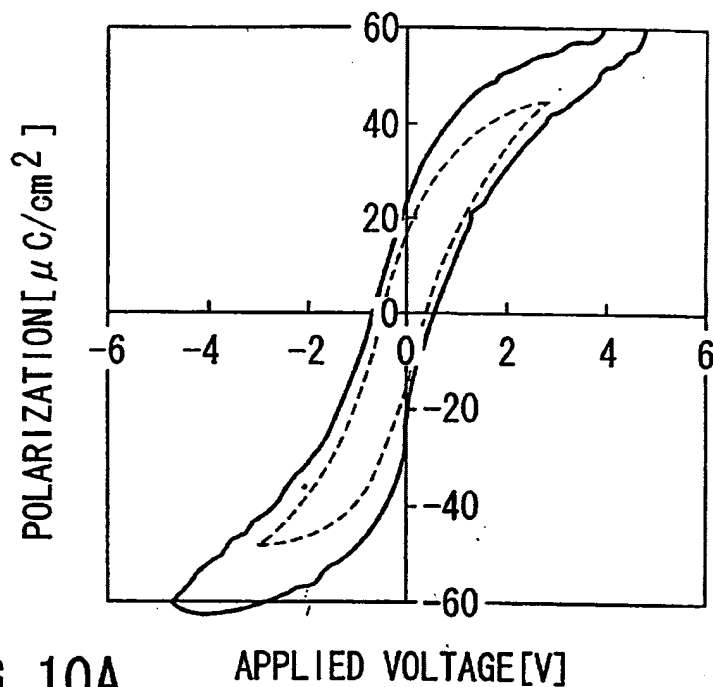


FIG. 10A

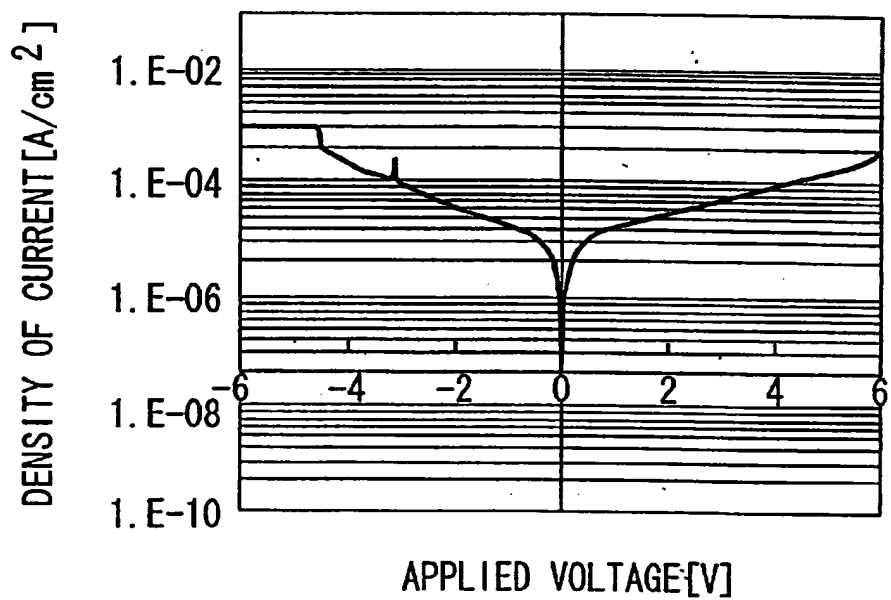


FIG. 10B

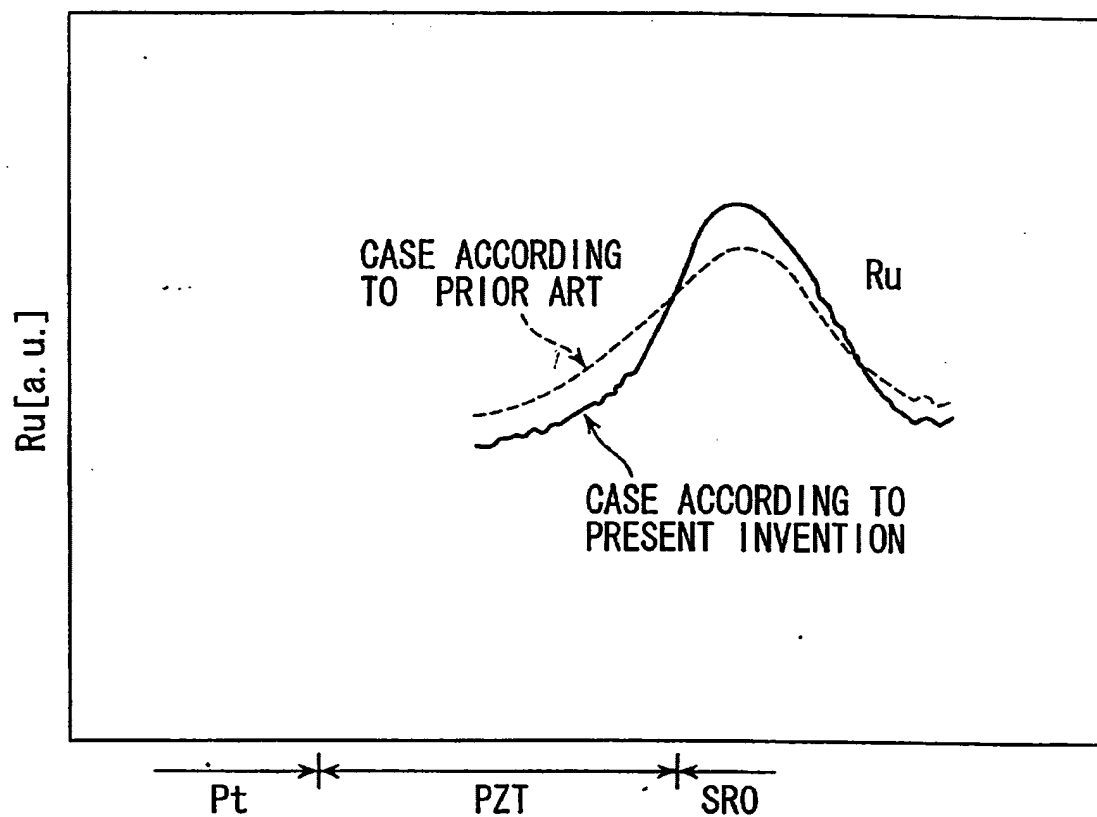


FIG. 11

FIG. 12A

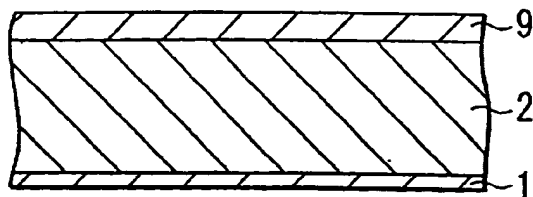


FIG. 12B

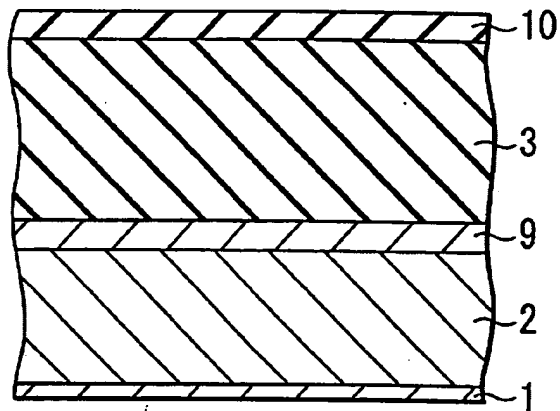


FIG. 12C

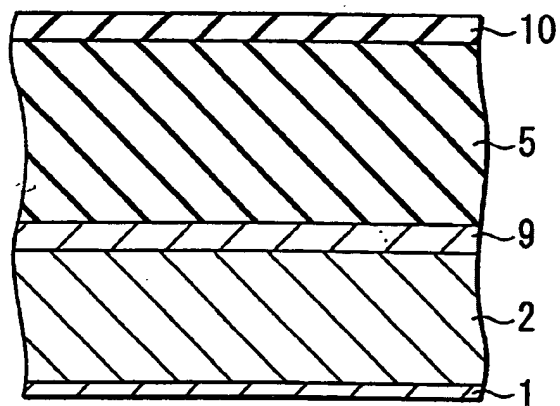
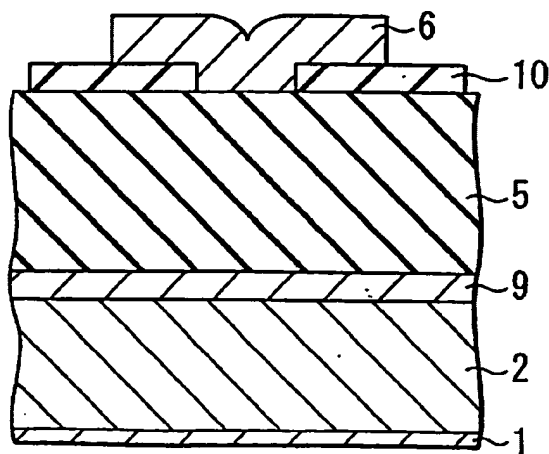
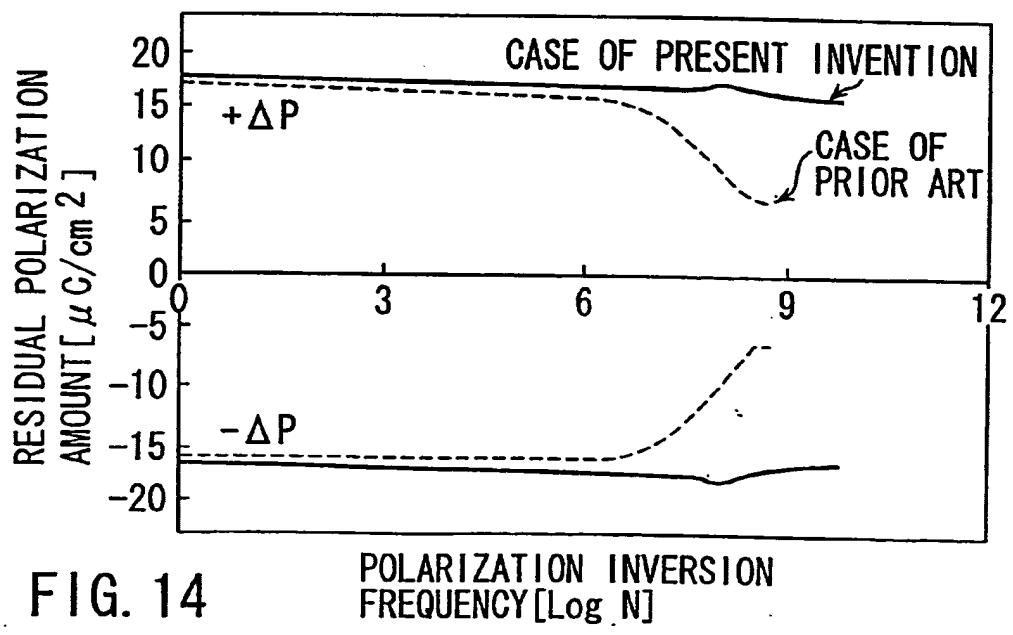
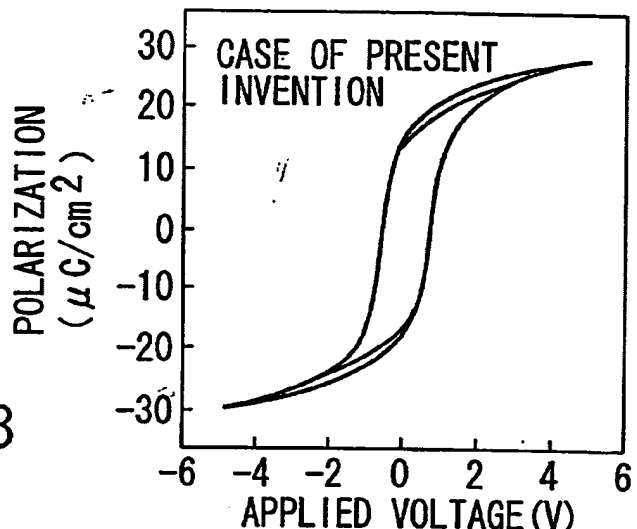
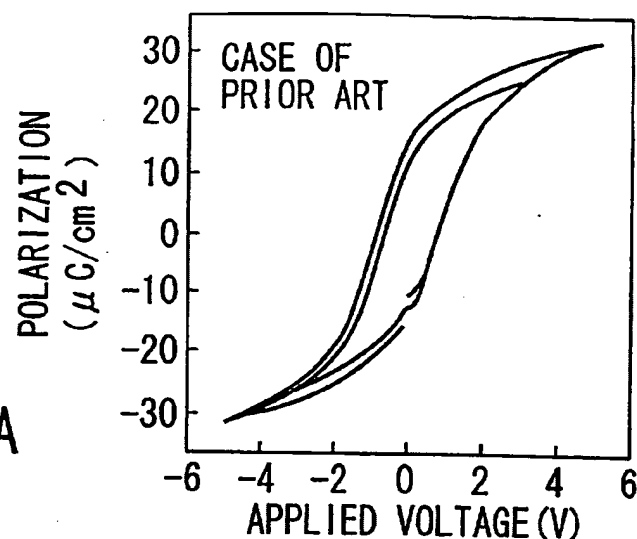


FIG. 12D





004720" 95T4T960

FIG. 15A

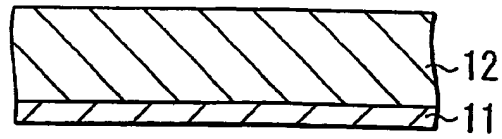


FIG. 15B

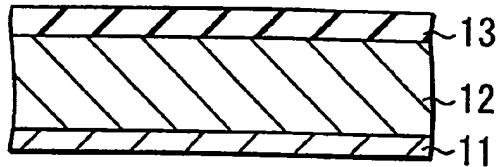


FIG. 15C

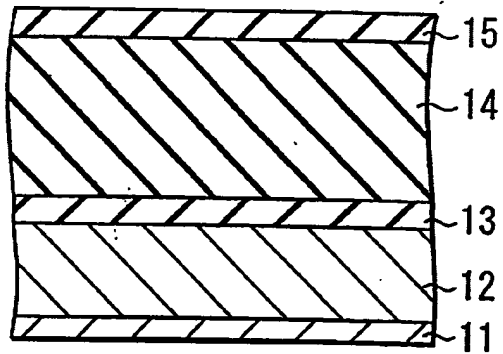


FIG. 15D

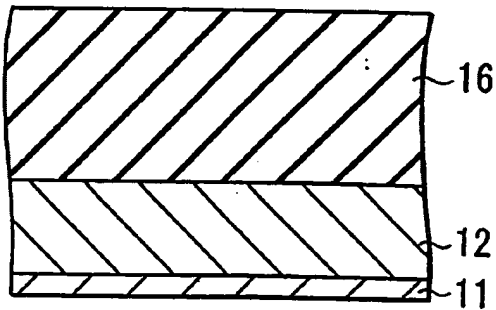
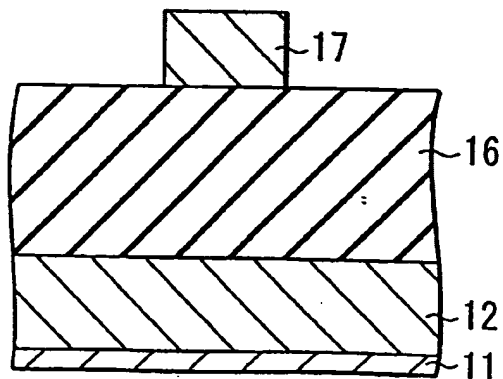


FIG. 15E



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FIG. 16

004T20" SET 2T960

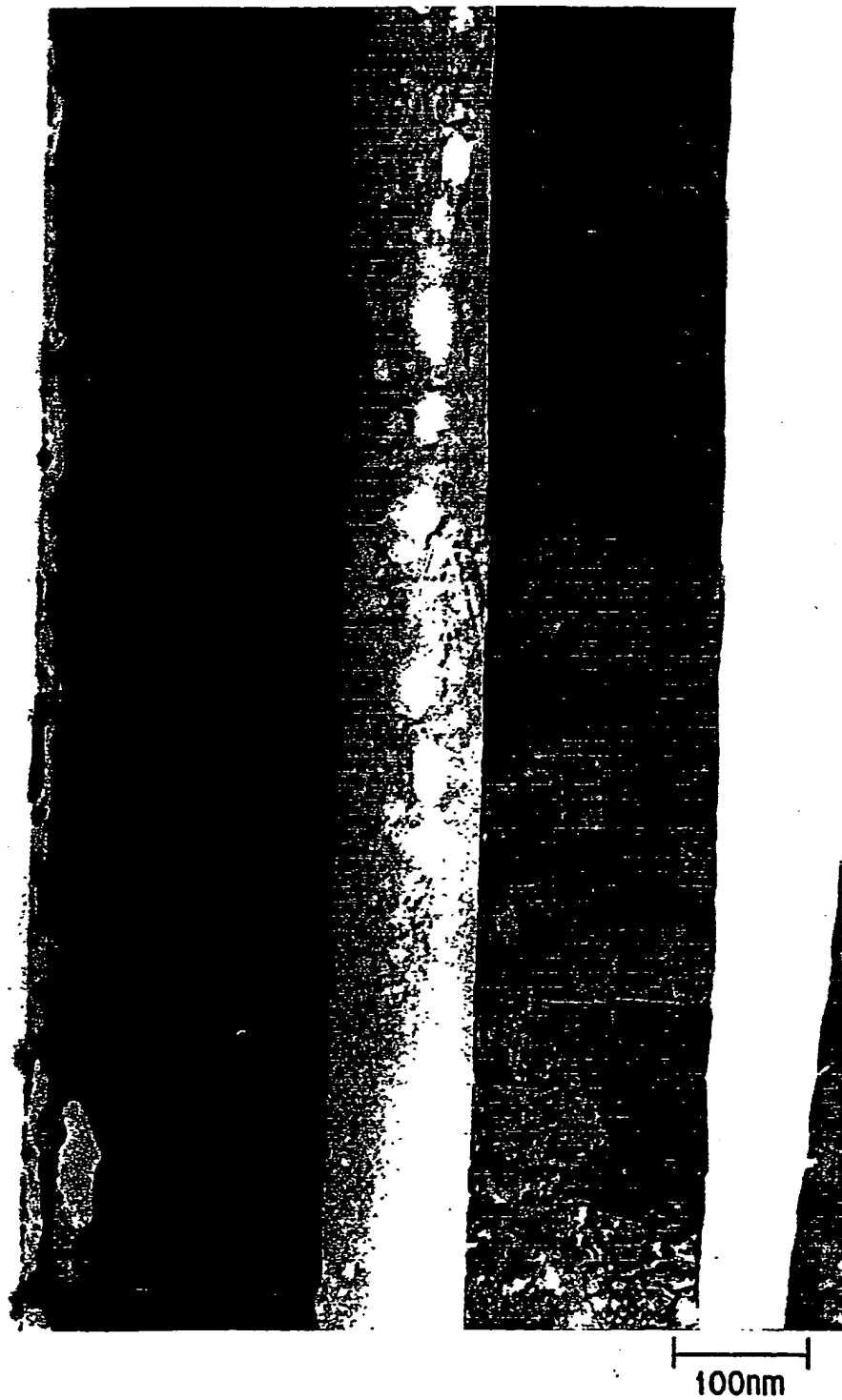


FIG.17





500nm

**F I G. 18A**



500nm

**F I G. 18B**

004740 SET 71960

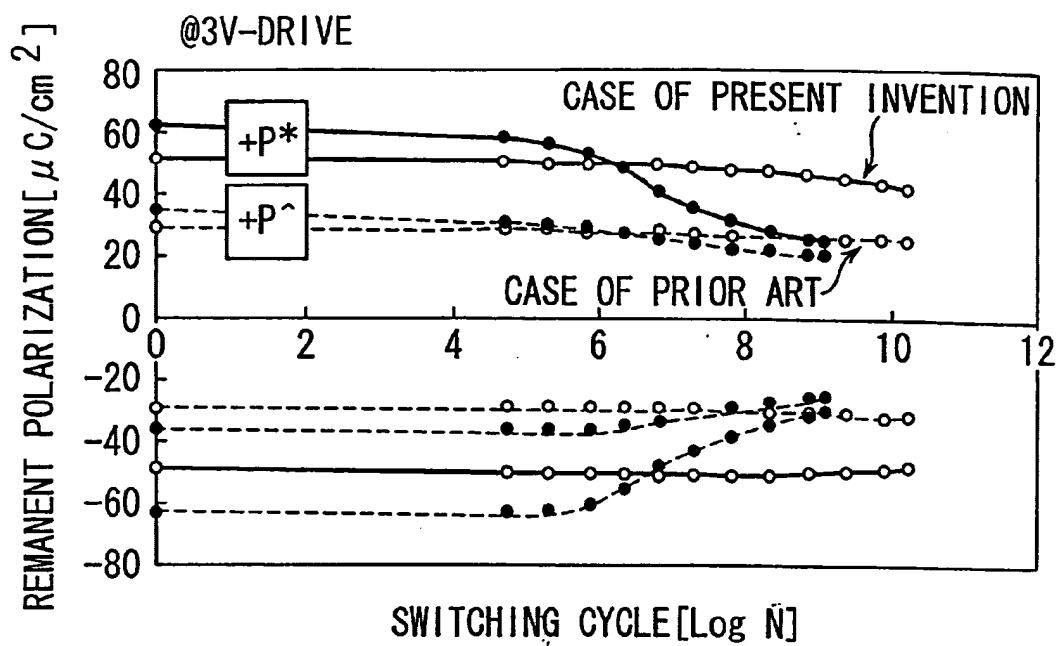


FIG. 19

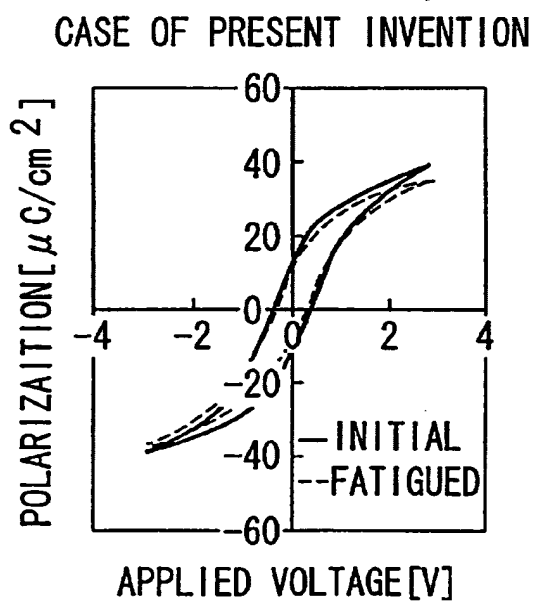


FIG. 20A

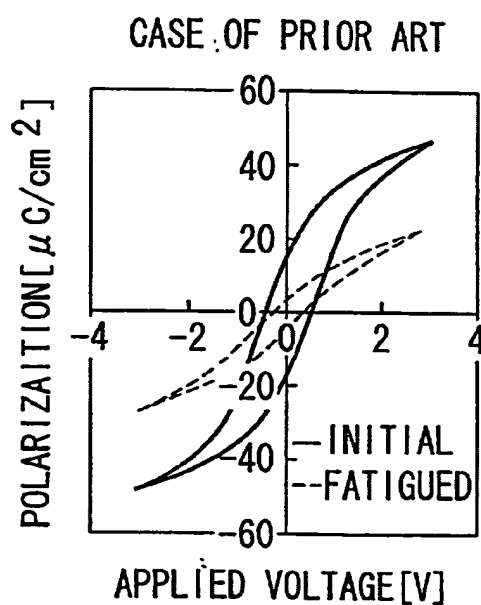


FIG. 20B

FIG. 21A

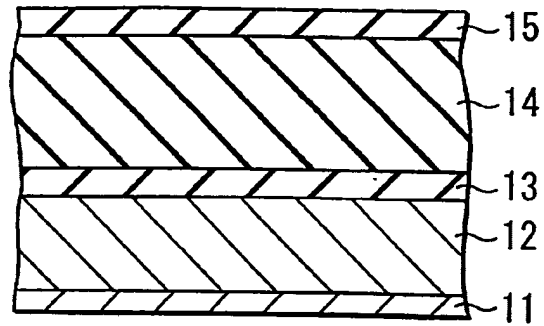


FIG. 21B

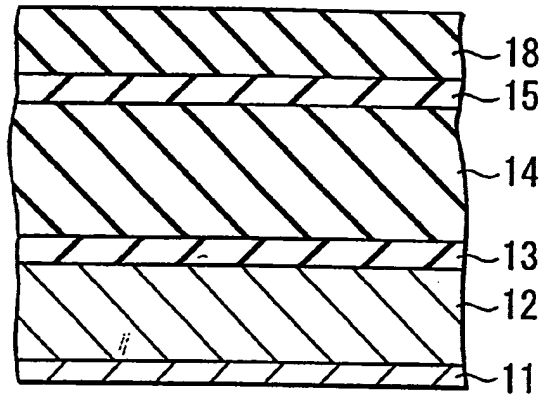


FIG. 21C

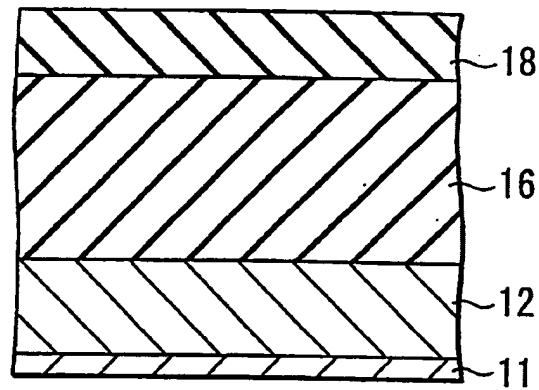
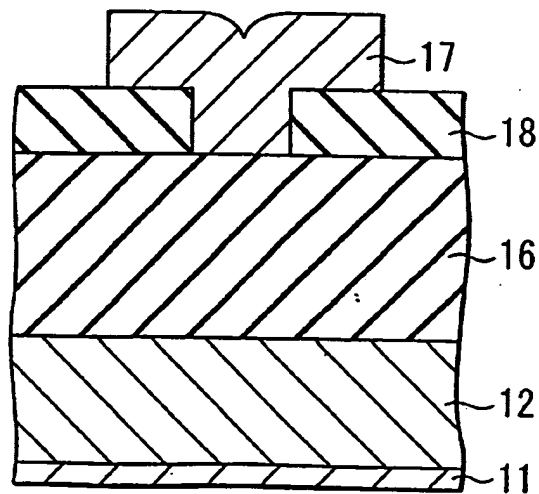
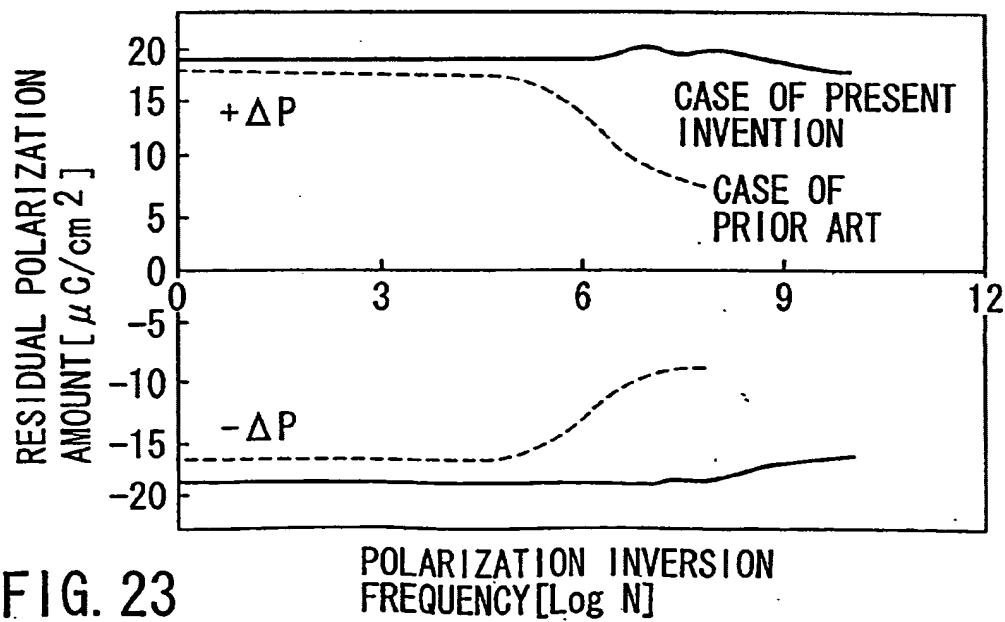
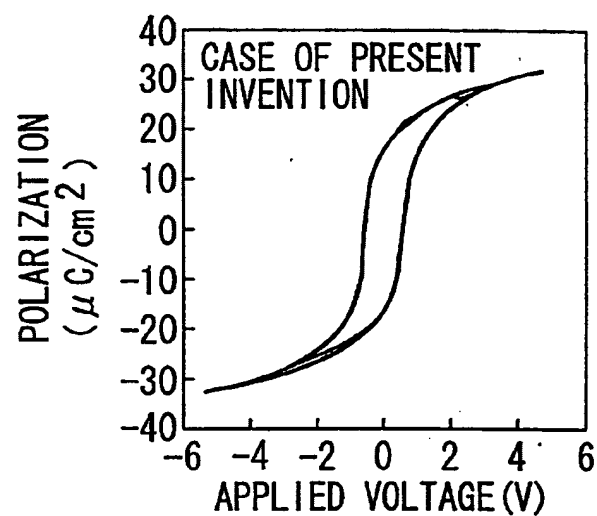
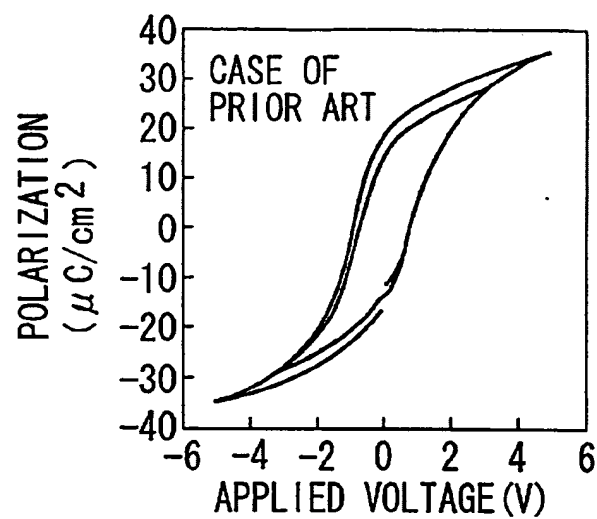


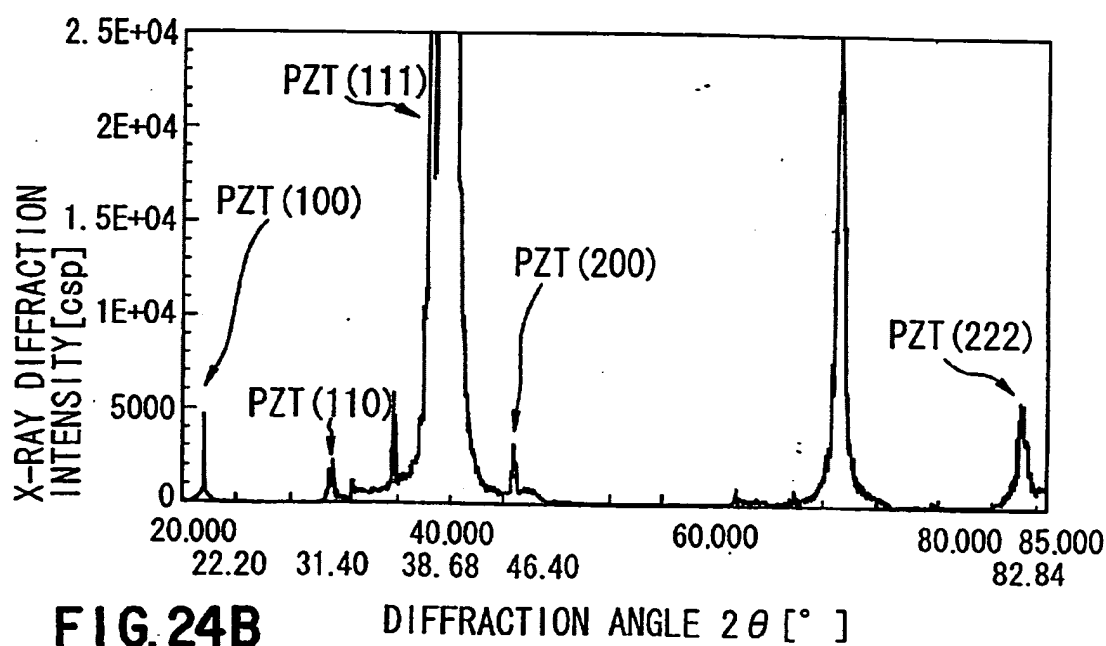
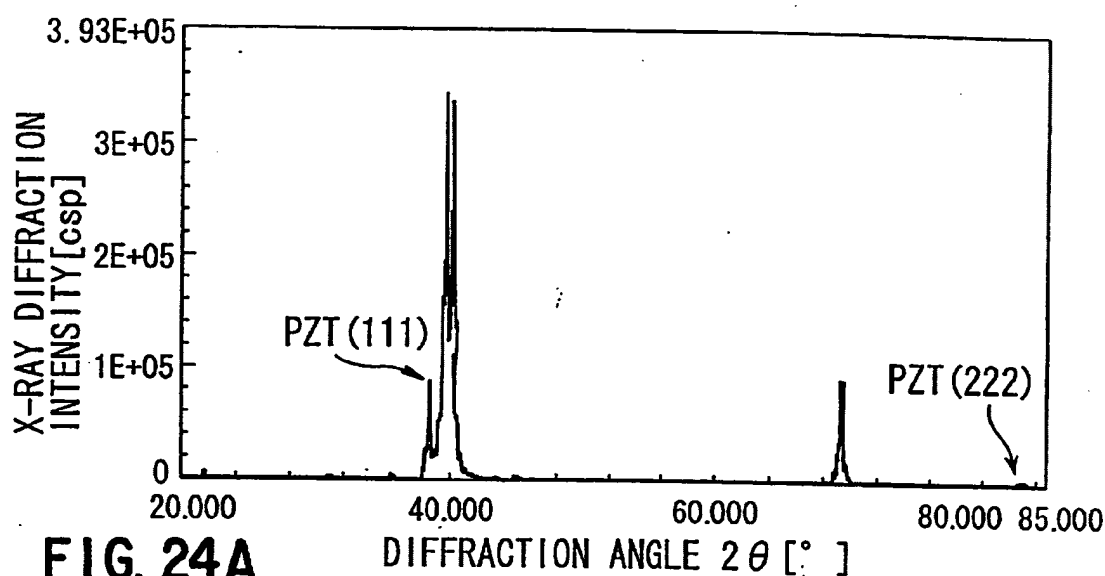
FIG. 21D





TUBULAR BULB: Cu  
 TUBULAR BULB VOLTAGE: 44KV  
 TUBULAR BULB CURRENT: 250mA  
 GONIOMETER: WIDE-ANGLE  
 GONIOMETER  
 STEP WIDTH: 0.040°  
 TIME FOR MEASUREMENT  
 : 0.50sec  
 SCANNING AXIS:  $2\theta / \theta$

DIVERGENCE SLIT: 1/2°  
 DIFFRACTION SLIT: 1/2°  
 LIGHT RECEIVING SLIT: 0.15mm  
 REVOLUTION SPEED: 60rpm/min  
 LIGHT RECEIVING SLIT OF  
 MONOCHROMATER:  
 LIGHT RECEIVING SLIT: 0.45mm  
 $\theta$  OFFSET ANGLE: 0.000°



004T20° 8ET4T950

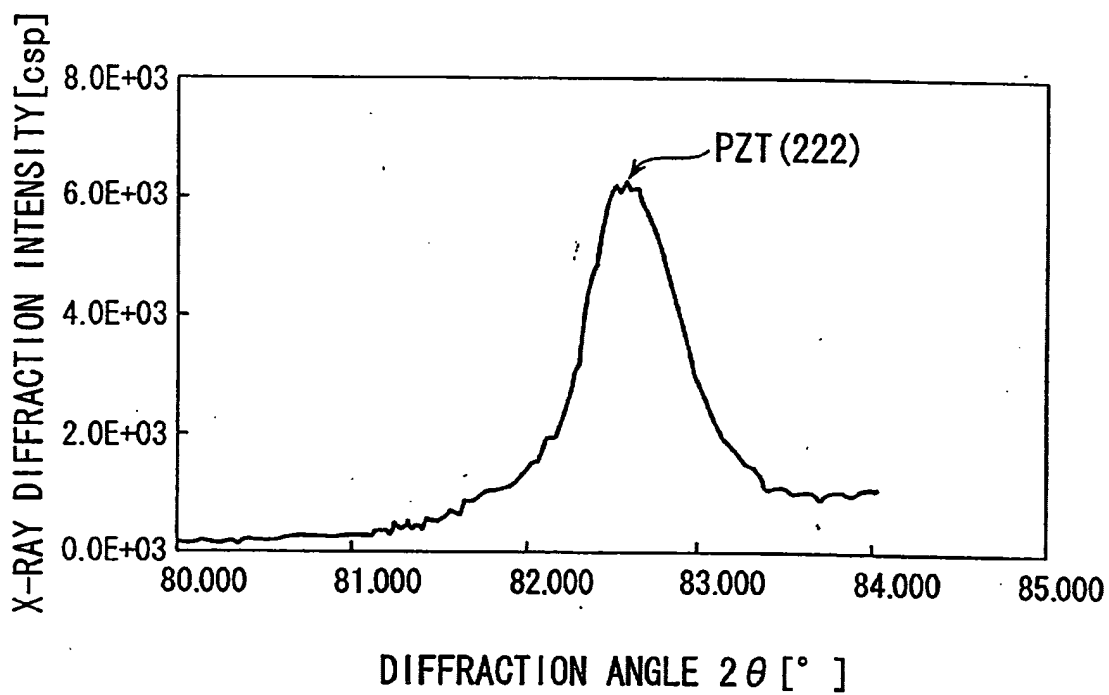


FIG. 24C

004120 SEP 79 960

Y-AXIS: P (POLARIZATION)  
 X-AXIS: V (APPLIED VOLTAGE)  
 Pr+: POINT OF INTERSECTION  
 OF HYSTERESIS CURVE WITH  
 POSITIVE SIDE OF Y-AXIS  
 Pr-: POINT OF INTERSECTION  
 OF HYSTERESIS CURVE WITH  
 NEGATIVE SIDE OF Y-AXIS

$$2Pr = Pr+ - Pr-$$

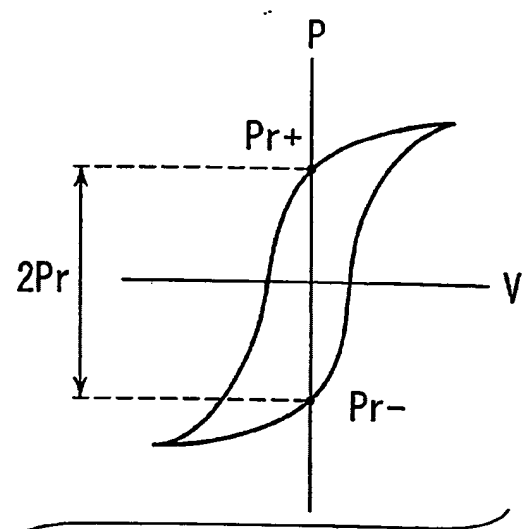


FIG. 25

Psat. +: POSITIVE SATURATION  
 POLARIZATION AMOUNT  
 Psat. -: NEGATIVE SATURATION  
 POLARIZATION AMOUNT

RECTANGULARITY

$$\text{RATIO} = \frac{Pr+}{Psat. +} \& \frac{Pr-}{Psat. -}$$

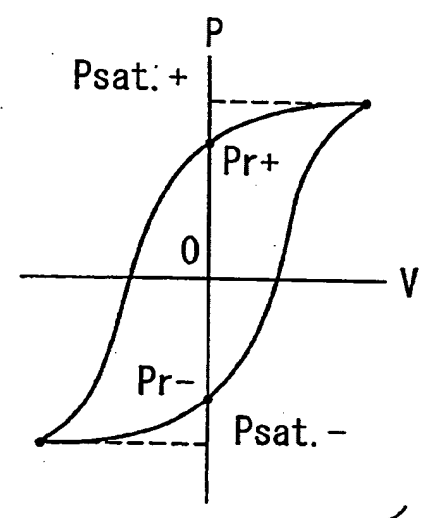


FIG. 26